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DECLARATION FOR PATENT APPLICATION

As one of the below named inventors, I hereby declare that:

My residence, post office address and citizenship is as stated below next to my name.

I believe I am one of the original and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

APPARATUS AND METHOD FOR CLOCK SYNCHRONIZATION IN A MULTI-POINT OFDM/DMT DIGITAL COMMUNICATIONS SYSTEM

the specification of which was filed in the United States Patent and Trademark Office as application Serial No. 08/900,312, on July 25, 1997.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this ~~application~~ in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed. NONE

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Kenneth J. Rudofski	Reg. No. 35,997
George P. McAndrews	Reg. No. 22,760
John J. Held, Jr.	Reg. No. 21,061
Timothy J. Malloy	Reg. No. 25,600

William M. Wesley	Reg. No. 26,521
Lawrence M. Jarvis	Reg. No. 27,341
Gregory J. Vogler	Reg. No. 31,313
Jean Dudek Kuelper	Reg. No. 30,171
Herbert D. Hart III	Reg. No. 30,063
Robert W. Fieseler	Reg. No. 31,826
D. David Hill	Reg. No. 35,543
Thomas J. Wimbiscus	Reg. No. 36,059
Steven J. Hampton	Reg. No. 33,707
Priscilla F. Gallagher	Reg. No. 32,223
Stephen F. Sherry	Reg. No. 30,590
Patrick J. Arnold Jr.	Reg. No. 37,769
Robert B. Polit	Reg. No. 33,993
George F. Wheeler	Reg. No. 28,766
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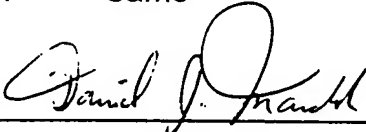
Robert B. Polit
McAndrews, Held & Malloy, Ltd.
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Chicago, IL 60661

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Information about first inventor:

(given name, family name): **Daniel J. Marchok**
Residence: 14984 W. Clear Lake Rd.
Buchanan, MI 49107

Citizenship: USA
Post Office Address: Same

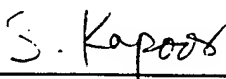
First inventor's signature: 

Date Signed: 1/29/98

Information about second joint inventor:

(given name, family name): **Samir Kapoor**
Residence: Apt. 803, Coronation Gardens
South Bend, IN 46637

Citizenship: India
Post Office Address: Same

Second inventor's signature: 

Date Signed: 1/29/98

Information about third joint inventor:

(given name, family name): **Ravi Chandran**
Residence: 614 E. Irvington Ave.
South Bend, IN 46614

Citizenship: Singapore
Post Office Address: Same

Third inventor's signature: Ravi Chandran

Date Signed: 1/29/98



APR 27 1998



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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
MARCHOK, DANIEL J.

DOC DATE: 01/29/1998

ASSIGNOR:
KAPOOR, SAMIR

DOC DATE: 01/29/1998

ASSIGNOR:
CHANDRAN, RAVI

DOC DATE: 01/29/1998

ASSIGNEE:
TELLABS OPERATIONS, INC.
4951 INDIANA AVE.
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SERIAL NUMBER: 08900312
PATENT NUMBER:

FILING DATE: 07/25/1997
ISSUE DATE:

8983/0543 PAGE 2

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
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1/31/92

Attorney Docket No. 11760US01

02-27-1998



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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

FEB 17 1998

To the Honorable Commissioner of Pat
thereof.

The attached original documents or copies

1. Name(s) of conveying party(ies):

Daniel J. Marchok, Samir
Kapoor, and Ravi ChandranMRD
2-17-98

2. Name(s) and address(es) of receiving party(ies):

Tellabs Operations, Inc.
4951 Indiana Ave.
Lisle, IL 60532Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 01.29.98

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/900,312

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:Robert B. Polit
McAndrews, Held & Malloy
500 West Madison Street
34th Floor
Chicago, Illinois 606616. Total number of applications and patents
involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- ☒ Enclosed
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8. Deposit account number: 13-0017

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Signature and Registration Number:  33,993

Date: February 12, 1998

Name of Person Signing: Robert B. Polit

ASSIGNMENT

Attorney Case No. 11760US01
Inventor: **Daniel J. Marchok**
Samir Kapoor
Ravi Chandran

Serial No.: 08/900,312
Filing Date: 07.25.97

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned hereby assigns to **Tellabs Operations, Inc.**, a corporation of Delaware, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled **"Apparatus and Method for Clock Synchronization in a Multi-point OFDM/DMT Digital Communications System."** and identified as U.S.S.N. 08/900,312, filed July 25, 1997, in the United States Patent and Trademark Office, and in any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any said Letters Patent to said assignee.

The undersigned warrants himself to be the owner of the entire right, title, and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations, the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation in part, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain said Letters Patent,

both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this 29 day of January, 1998.

Daniel J. Marchok

Daniel J. Marchok

State of Indiana

County of St. Joseph

The foregoing instrument was acknowledged before me this 29th day of

January, 1998 by Daniel J. Marchok.

MARY LEE LA PARA
NOTARY PUBLIC STATE OF INDIANA
ST. JOSEPH COUNTY
MY COMMISSION EXP. AUG. 11, 2001

Mary Lee La Para
Notary Public

WITNESS my hand and seal this 29 day of January, 1998.

S. Kapoor

Samir Kapoor

State of Indiana

County of St. Joseph

The foregoing instrument was acknowledged before me this 29th day of

January, 1998 by Samir Kapoor.

MARY LEE LA PARA
NOTARY PUBLIC STATE OF INDIANA
ST. JOSEPH COUNTY
MY COMMISSION EXP. AUG. 11, 2001

Mary Lee La Para
Notary Public

WITNESS my hand and seal this 29th day of January, 19 98.

Ravi Chandran
Ravi Chandran

State of Indiana

County of St. Joseph

The foregoing instrument was acknowledged before me this 29th day of
January, 19 98 by Ravi Chandran

MARY LEE LA PARA
NOTARY PUBLIC STATE OF INDIANA
ST. JOSEPH COUNTY
MY COMMISSION EXP. AUG. 11, 2001

Mary Lee LaPara
Notary Public